

Sustainability & Mobility



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Sustainability & Mobility

The Department of Sustainability & Mobility leads the implementation of the City's Climate Action Plan (CAP) which aims to achieve the greenhouse gas (GHG) reduction targets set forth by the State of California. The Department facilitates innovative efforts across multiple City departments to enhance economic, social, and environmental sustainability. These efforts promote renewable electricity, water, and energy efficiency, zero waste, bicycling, walking, transit, smart growth and land use, and resiliency measures.

The City's Municipal Energy Strategy, released in 2021, established a new goal to achieve zero emissions municipal facilities and operations by 2035. Zero emissions buildings are super energy efficient, all-electric, and fueled solely by renewable energy. To reach the 2035 goal, the City must begin to electrify its end uses - that is, to shift away from using fossil fuels including natural gas, gasoline, diesel fuel, and other carbon-heavy fuels in municipal operations. The City has transitioned its electricity accounts to 100% renewable electricity procured by San Diego Community Power. Next, it must shift away from fossil fuel use and toward electricity for all building end uses.

The Department's CIP funds are dedicated to projects that deliver electrification benefits, energy efficiency improvements, and associated energy cost savings. Projects may include deep energy retrofits of existing buildings to increase efficiency and eliminate emissions via electrification of energy systems, along with installation of renewable energy technologies, such as solar photovoltaic (PV), microgrids and battery storage to increase resiliency at critical facilities, and electric vehicle charging infrastructure.

2022 CIP Accomplishments

The Department continued to dedicate capital resources to reduce energy consumption in municipal facilities through the following efforts:

- Completed development of the Municipal Energy Implementation Plan
- Developed the Zero Emissions Municipal Buildings & Operations Policy
- Completed implementation of the Smart City Open Urban Platform (SCOUP) grant program
- Initiated renewable microgrid projects at eight City facilities
- Transitioned most City electricity accounts to Power100, the 100% renewable mix from San Diego Community Power
- Hired a Third-Party Owner's Representative to assist the City in pursuing Energy Savings Performance Contracts in partnership with Energy Services Companies (ESCOs) to implement deep energy retrofits and electrification projects at City facilities

2023 CIP Goals

The Department of Sustainability will continue to improve the energy performance at City facilities in Fiscal Year 2023 through the following goals:

- Complete installation of solar PV at PUD facilities
- Support completion of the chiller replacement at the Point Loma Library (B19203)
- Begin construction of renewable microgrids at eight City facilities
- Perform electrification assessments at City facilities needed for the development of Fossil Fuel Elimination Plans and Fleet Electrification Plans
- Establish partnerships with ESCOs and begin scoping deep energy retrofits and electrification at City facilities
- Establish an agreement with a third-party electric vehicle charging vendor to support installation of public and staff electric vehicle charging City facilities



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Sustainability & Mobility: Capital Improvement Projects

Project	Prior Fiscal Years	FY 2023 Adopted	Future Fiscal Years	Project Total
Citywide Energy Improvements / ABT00003	\$ 12,692,629	\$ 2,547,500	\$ 2,485,576	\$ 17,725,705
Total	\$ 12,692,629	\$ 2,547,500	\$ 2,485,576	\$ 17,725,705



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Citywide Energy Improvements / ABT00003

Bldg - Other City Facility / Structures

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Hawes, Lindsey
Duration:	2010 - 2040		858-627-3352
Improvement Type:	Betterment		lhawes@sandiego.gov

Description: This annual allocation will provide for energy efficiency improvements in City facilities. Projects typically address lighting, air conditioning, chiller, pumping and fan systems, invertors, and City-owned solar systems. Newer, more efficient technologies greatly reduce energy consumption.

Justification: Energy efficiency improvements repay capital costs in one to nine years, depending upon the project. The energy savings continue each year thereafter. Energy audits are performed in a variety of City-owned facilities to identify opportunities for energy savings.

Operating Budget Impact: There will be energy cost savings related to the energy efficiency projects for various City departments.

Relationship to General and Community Plans: These projects are consistent with applicable community plans, are in conformance with the City's General Plan, and help to implement the City's Climate Action Plan.

Schedule: Projects will be scheduled on a priority basis in accordance with the Municipal Energy Strategy Plan.

Summary of Project Changes: Total project cost has decreased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Energy Conservation Program CIP Fund	200225	\$ -	\$ 45,598	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 545,598
GEGF California Master Lease Agreement	400867	-	10,031,381	-	-	-	-	-	-	-	-	10,031,381
Infrastructure Fund	100012	-	800,000	-	-	-	-	-	-	-	-	800,000
Metro Sewer Utility - CIP Funding Source	700009	70,340	521,310	565,200	-	446,459	1,380,922	158,195	-	-	-	3,142,426
Muni Sewer Utility - CIP Funding Source	700008	10,873	366,627	433,320	-	-	-	-	-	-	-	810,820
Water Utility - CIP Funding Source	700010	72,271	774,229	1,548,980	-	-	-	-	-	-	-	2,395,480
Total		\$ 153,484	\$ 12,539,144	\$ 2,547,500	\$ -	\$ 946,459	\$ 1,380,922	\$ 158,195	\$ -	\$ -	\$ -	\$ 17,725,705